

Applicant: DLW Aktiengesellschaft
"Novel linoleum structure and process for its production"
Our reference: D 2713 – py / ae

Claims

1. Process for producing a patterned flexible linoleum sheet material comprising the steps of
 - dispersing at least one type of unicolored or multicolored mixed mass particles onto at least one side of a unicolored or multicolored rolled linoleum sheet and
 - substantially warp-free pressing of the mixed mass particles into the rolled linoleum sheet.
2. Process as claimed in Claim 1, wherein the rolled linoleum sheet equipped with dispersed and pressed-in mixed mass particles is cut, rotated 90°, stacked into a scale-like sheet stack and subsequently rolled into a pattern-providing sheet.
3. Process as claimed in Claim 1, wherein the rolled linoleum sheet equipped with dispersed and pressed-in mixed mass particles is processed directly as a pattern-providing sheet into a flexible linoleum material.
- 3.1 Process as claimed in any one of the preceding Claims wherein the particles are pressed into the linoleum sheet by means of a mangle or some other pressing tool.
- 4.5 Process as claimed in any one of the preceding Claims wherein a unicolored, marbled or speckled rolled linoleum sheet is used.
- 5.6 Process as claimed in any one of the preceding Claims wherein a composition of the mixed mass particles is used which contains a smaller proportion of linoleum cement than the rolled linoleum sheet.

6.7 Process as claimed in any one of the preceding Claims wherein the mixed mass particles are dispersed onto both sides of the rolled linoleum sheet.

7.8 Flexible linoleum sheet material comprising a top layer as matrix, which has at least one first color and at least one type of contrastingly colored particles, which are embedded in the matrix.

8.9 Flexible linoleum sheet material as claimed in Claim 7 wherein the top layer is unicolored, marbled or speckled.

9.10 Flexible linoleum sheet material as claimed in Claim 7 or 8 having particle types that are identical or different in size and/or color.

10.11 Flexible linoleum sheet material as claimed in any one of Claims 7 to 9, wherein the particles are embedded only in the topside of the top layer.

11.12 Flexible linoleum sheet material as claimed in any one of Claims 7 to 9, wherein the particles permeate the entire top layer.

12.13 Flexible linoleum sheet material as claimed in any one of Claims 7 to 9, wherein the particles are distributed across the entire thickness of the top layer.

13.14 Flexible linoleum sheet material as claimed in any one of Claims 7 to 12, wherein the particles are present in an amount of 10 g/m² to 500 g/m² in relation to the weight of the top layer.

15. Use of the flexible linoleum sheet material as claimed in any one of Claims 7 to 13 as a floor covering.

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